

FALCON REFINERY SITE

RI/FS SCOPING MEETING

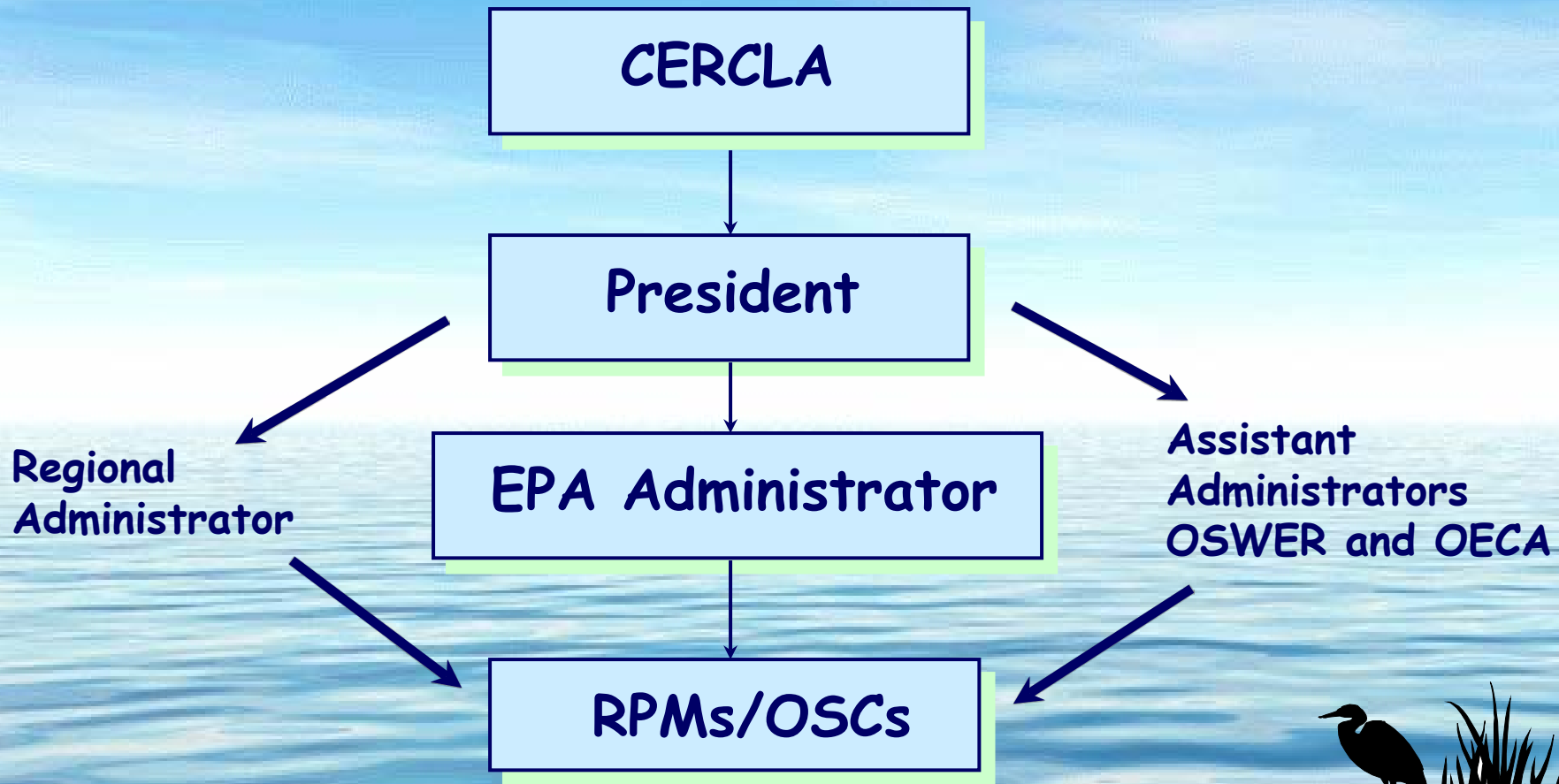
7/07/04



AGENDA
RI/FS SCOPING MEETING
FALCON REFINERY SITE
7/07/04

- I. Introductions
- II. Purpose of the Meeting (Rafael Casanova and Gary Moore [EPA])
- III. Roles (Expectations) of the EPA (Casanova and Moore)
- IV. Roles (Expectations) of the Natural Resource Trustees (Jessica White [NOAA], Richard Seiler [TCEQ], Other Trustees)
- V. Roles (Expectations) of the PRP (Stephen Halasz [BNC Eng.])
- VI. Scoping Activities (Casanova and Halasz)
 - a. Discussion of Existing Data and Site Boundaries
 - b. Development of the Conceptual Site Model
 - c. Identification of Remedial Action Objectives and Potential Remedial Alternatives
 - d. Identification of Potential ARARs
 - e. Identification of Initial Data Needs and Data Quality Objectives
 - f. Scoping Deliverables and Schedules
 - g. Other Activities
- VII. Previous Investigations of the Site (Jeffrey Lewellin and/or Susan Clewis [TCEQ])
- VIII. Site Visit

CERCLA Authorities are Delegated to RPMs and OSCs



Superfund Remedial Process

FROM:

- Preliminary Assessment
- Site Inspection
- NPL Listing
- Enforcement

Scoping of the RI/FS

REMEDIAL INVESTIGATION (RI)

**SITE CHARACTERIZATION AND
HUMAN HEALTH/ECOLOGICAL RISK
ASSESSMENTS**

**TREATABILITY
STUDIES**

**DEVELOPMENT AND SCREENING
OF REMEDIAL ALTERNATIVES**

**DETAILED ANALYSES
OF ALTERNATIVES**

FEASIBILITY STUDY (FS)

TO:

- Selection of Remedy
- Record of Decision (ROD)
- Enforcement
- Remedial Design (RD)
- Remedial Action (RA)
- Operation & Maintenance (O&M)

NEGOTIATION OUTCOMES

- **Successful Negotiations:**
 - Settlement embodied in an Administrative Order on Consent for an Alternative Site.
 - \$100,000
 - PRP agrees not to file suit against natural resource damage claims based on a statute of limitations defense.



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SCOPING

- Form a Site Team.
- Collect and evaluate existing data.
- Identify Data Quality Objectives.
- Develop a Conceptual Site Model.
- Identify Remedial Action Objectives.
- Identify Remedial Action Alternatives.



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Remedial Investigation and Feasibility Study (RI/FS)

- RI/FS Project Plans:
 - RI/FS Work Plan.
 - Sampling and Analysis Plan.
 - Quality Assurance Project Plan.
 - Field Sampling Plan.
 - Community Relations Plan.
 - Health and Safety Plan.



Remedial Investigation and Feasibility Study (RI/FS)

- Site Characterization.
- Baseline Risk Assessment.
 - Human Health and Ecological.
- Treatability Studies.
- Feasibility Studies.



DETAILED ANALYSES OF ALTERNATIVES

- **Nine Evaluation Criteria:**
 - **Threshold Criteria:**
 - Overall protection of human health and the environment.
 - Compliance with Applicable or Relevant and Appropriate Requirements.
 - **Balancing Criteria:**
 - Long-term effectiveness and permanence.
 - Reduction of toxicity, mobility, or volume.
 - Short-term effectiveness.
 - Implementability.
 - Cost.
 - **Modifying Criteria:**
 - State Acceptance.
 - Community Acceptance.



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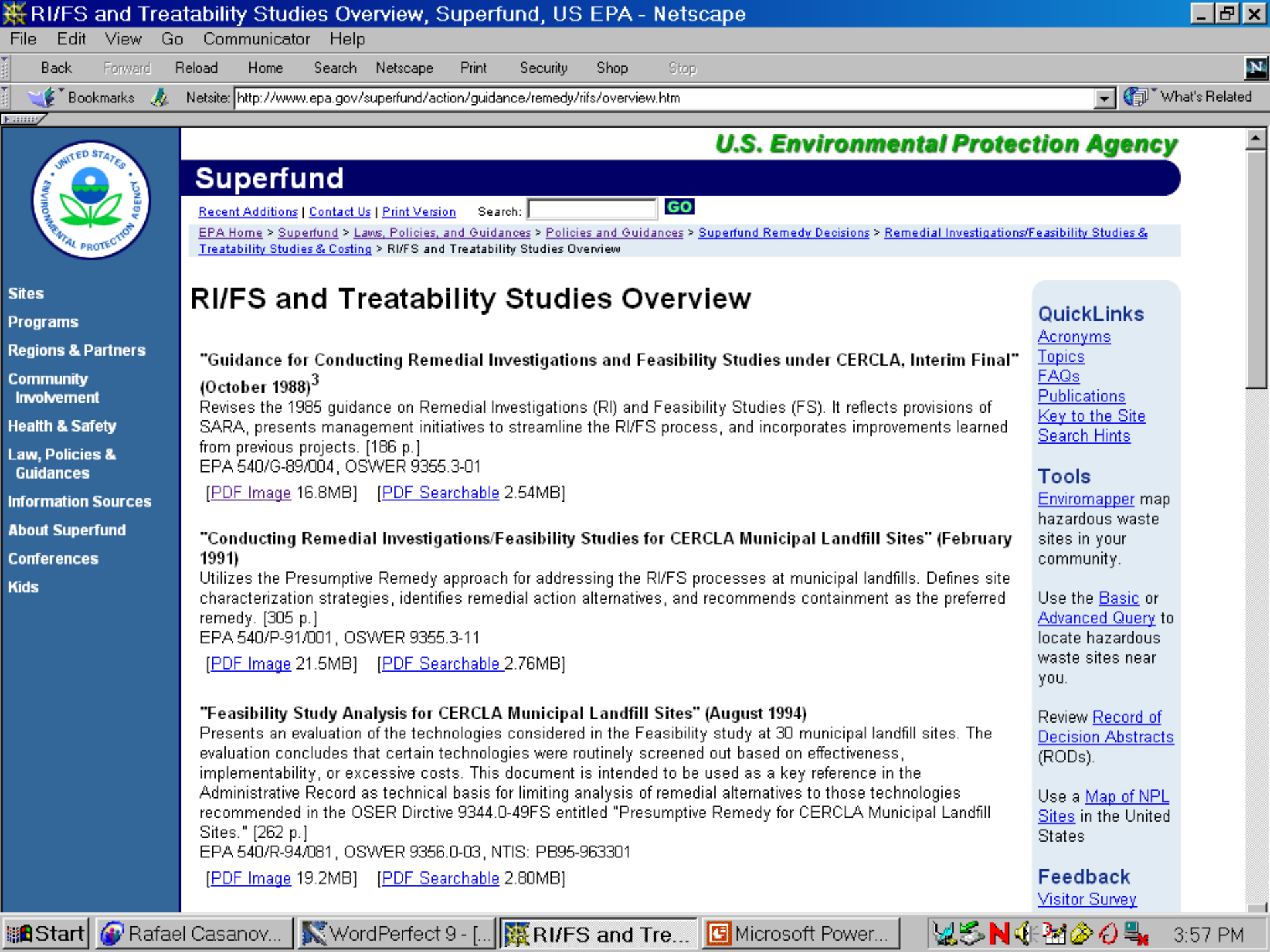
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U.S. Environmental Protection Agency

Superfund

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RI/FS and Treatability Studies Overview

"Guidance for Conducting Remedial Investigations and Feasibility Studies under CERCLA, Interim Final" (October 1988)³

Revises the 1985 guidance on Remedial Investigations (RI) and Feasibility Studies (FS). It reflects provisions of SARA, presents management initiatives to streamline the RI/FS process, and incorporates improvements learned from previous projects. [186 p.]

EPA 540/G-89/004, OSWER 9355.3-01

[\[PDF Image 16.8MB\]](#) [\[PDF Searchable 2.54MB\]](#)

"Conducting Remedial Investigations/Feasibility Studies for CERCLA Municipal Landfill Sites" (February 1991)

Utilizes the Presumptive Remedy approach for addressing the RI/FS processes at municipal landfills. Defines site characterization strategies, identifies remedial action alternatives, and recommends containment as the preferred remedy. [305 p.]

EPA 540/P-91/001, OSWER 9355.3-11

[\[PDF Image 21.5MB\]](#) [\[PDF Searchable 2.76MB\]](#)

"Feasibility Study Analysis for CERCLA Municipal Landfill Sites" (August 1994)

Presents an evaluation of the technologies considered in the Feasibility study at 30 municipal landfill sites. The evaluation concludes that certain technologies were routinely screened out based on effectiveness, implementability, or excessive costs. This document is intended to be used as a key reference in the Administrative Record as technical basis for limiting analysis of remedial alternatives to those technologies recommended in the OSER Directive 9344.0-49FS entitled "Presumptive Remedy for CERCLA Municipal Landfill Sites." [262 p.]

EPA 540/R-94/081, OSWER 9356.0-03, NTIS: PB95-963301

[\[PDF Image 19.2MB\]](#) [\[PDF Searchable 2.80MB\]](#)

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Tools

[EnviroMapper](#) map hazardous waste sites in your community.

Use the [Basic](#) or [Advanced Query](#) to locate hazardous waste sites near you.

Review [Record of Decision Abstracts](#) (RODs).

Use a [Map of NPL Sites](#) in the United States

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What's New

Risk Assessment
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Tools
of the Trade

Calculation Tools

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Ecological

Improving
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Frequently
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Tools of the Trade

Click on the two bulleted categories below to access guidance, policy, and technical tools for Superfund risk assessment. Information on both human health and ecological risk assessment is included, and most of the resources referenced can be downloaded.

- Databases & Software
- Guidance & Policy

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URL: <http://www.epa.gov/superfund/programs/risk/tooltrad.htm>

This page was last updated on: September 6, 2001

Site maintained by: Office of Emergency and Remedial Response

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Human Health

- [Integrated Risk Information System \(IRIS\)](#)
[exit Superfund](#) ➡
- [Soil Screening Calculations](#) [EXIT EPA](#) ➡
- [Soil Screening Calculations \(for Radionuclides\)](#) [EXIT EPA](#) ➡
- [Johnson and Ettinger Air Model](#)

Ecological

- [Wildlife Exposure Factors Handbook \(1993\)](#)
[exit Superfund](#) ➡
- [Ecotox Thresholds \(1996\)](#)

Databases
&
Software

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FALCON REFINERY SITE (Ingleside, TX)

- Located at FM 2725 and Bishop Rd (near the Ingleside city limit).
- Proposed to National Priorities List - 9/05/02.
- Issued General Notice Letters.
- Additional Enforcement Actions Pending.



